Title (en)

ADDITIVE MANUFACTURING PROCESS

Title (de)

VERFAHREN ZUR GENERATIVEN FERTIGUNG

Title (fr)

PROCÉDÉ DE FABRICATION ADDITIVE

Publication

EP 3659546 B1 20221019 (EN)

Application

EP 18208698 A 20181127

Priority

EP 18208698 A 20181127

Abstract (en)

[origin: EP3659546A1] An additive manufacturing process comprising:(a) providing a curable composition comprising:(i) a filler comprising glassflakes having a diameter D_{3,99}as determined by light scattering in the range of from 5 to 150 µm; and(ii) one or more curable compounds;(b) controlling an apparatus to form an object by using the curable composition, whereby the curable composition passes a discharge orifice having a minimum diameter Φ_{min},wherein the ratio of the minimum diameter of the discharge orifice to the diameter D_{3,99}of the glassflakes (Φ_{min}/D_{3,99}) is in the range of 2 to less than 10.

IPC 8 full level

B33Y 70/00 (2020.01); **C08K 3/40** (2006.01)

CPC (source: CN EP US)

A61C 5/77 (2017.02 - CN US); **A61C 13/0019** (2013.01 - CN EP); **A61K 6/17** (2020.01 - US); **A61K 6/77** (2020.01 - US); **A61K 6/887** (2020.01 - US); **B29C 64/10** (2017.08 - CN); **B29C 64/209** (2017.08 - CN); **B33Y 10/00** (2014.12 - CN); **B33Y 70/00** (2014.12 - CN EP); **B33Y 70/10** (2020.01 - CN US); **B33Y 80/00** (2014.12 - CN US); B29C 64/112 (2017.08 - US); B29C 64/118 (2017.08 - US); B29C 64/259 (2017.08 - US); B29K 2509/08 (2013.01 - US); B33Y 10/00 (2014.12 - US); C08K 3/40 (2013.01 - EP); C08K 7/00 (2013.01 - EP); C08K 2201/003 (2013.01 - EP)

Cited by

US11879078B2; DE202022106810U1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3659546 A1 20200603; **EP 3659546 B1 20221019**; AU 2019389272 A1 20210318; AU 2019389272 B2 20210617; CA 3114881 A1 20200604; CA 3114881 C 20220426; CN 112672716 A 20210416; CN 112672716 B 20221220; CN 115401909 A 20221129; JP 2022502477 A 20220111; JP 7084554 B2 20220614; US 12023392 B2 20240702; US 2022031576 A1 20220203; WO 2020109390 A1 20200604

DOCDB simple family (application)

EP 18208698 A 20181127; AU 2019389272 A 20191127; CA 3114881 A 20191127; CN 201980057764 A 20191127; CN 202210817946 A 20191127; EP 2019082753 W 20191127; JP 2021529344 A 20191127; US 201917296700 A 20191127